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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

## Agro Advisory Bulletin – WEST JAINTIA HILLS (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 23-24°C, Minimum Temp: 13-14°C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 2-3 Okta, Maximum RH: 92-98%, Minimum RH: 41-54%, Wind speed: 2-3 Kmph, Wind direction: Northeast-Northwest.

#### **General Advisories:**

- > Transplant Rabi crop seedling to main field.
- Apply straw mulch to conserve water.<sup>8</sup> RD BLOCK MAP OF MEGHALAYA
- Protect young seedling from direct exposure to sunshine.

#### Agro meteorological Advisories for coming 5 days —

92°0'0"E

92°30'0''E

	Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Pe	N- RS-RM CARLAND	Sowing		<ul> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden pea (Arkel, GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for better germination &amp; growth.</li> </ul>
Co	riander	Land Preparation/ Sowing	WEST INHASI HILLS	<ul> <li>Use improved cultivar such as Sindhu, Swathi.</li> <li>Soak the seed in water over night before sowing.<sup>25,000 N</sup></li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
15 Pa	lak STATE GIS L (MEGHALA)	1122	SCALE 1: 1,35 15 30 60	<ul> <li>Use improved cultivar such as All Green, Pusa Palak, Pusa Jyoti.</li> <li>Prepare the land by 3-4 times ploughing, weeding &amp; levelling of beds should done</li> </ul>
	ot Crop (Radish, rrot)	90°30'0''E Sowing	91°0'0''E 91°30	<ul> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> <li>Use improved cultivar such as Japanese white (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in water before</li> </ul>
				<ul> <li>sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> </ul>
	le crops (Cabbage, uliflower,	Transplanting		• The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m <sup>2</sup> with the soil.





Broccoli)       • Cabbage spacing at 60 cm x 45 cm row to row plant to plant, Cauliflower at 60 cm x 45 cm row row and plant to plant, and Broccoli at 45x30 cm         Ginger/Turmeric       Maturity       • Avoid irrigation.         Pineapple       Growth stage       • Weeding can be done manually or mechanically.         Khasi Mandarin       Fruit Maturity/       • Avoid irrigation.         Broccoli       • Weeding can be done manually or mechanically.         • Collect and destroy older/wilted and plant p infested with insect pest and diseases.       • Apply manures.         Khasi Mandarin       Fruit Maturity/       • Management of fruit drop: Spraying with 2,4-D or C         • Fruit drop/       Fruit fly       • Management of fruit drop: Spraying with 2,4-D or C         • Fruit fly       • Fruit fly       • Management of fruit for j: Spraying with 2,4-D or C         • Brown       • Fruit fly       • Management of fruit for j: Spraying with 2,4-D or C         • Collect & discard of fallen fruits to avoid attraction fruit fly.       • Harvesting         • Collect & discard of fallen fruits to avoid attraction fruit fly.       • Harvest salong with stalk.         • Harvesting       • Harvest along with stalk.       • Harvest along with stalk & leaves.         • Discarded fallen fruits.       • Discarded fallen fruits.       • Discarded fallen fruits.         • Protect Animals/Birds from direct exposure to cold weather.<
Pineapple       Growth stage       • Weeding can be done manually or mechanically.         Khasi Mandarin       Fruit Maturity/ Harvesting       • RD BLOCK MAP O       • Management of fruit drop: Spraying with 2,4-D or Q         Weeding can be done manually or mechanically.       • Management of fruit drop: Spraying with 2,4-D or Q       • IPrevent bird damage.         Management of fruit drop:       • Fruit drop/ Fruit fly       • Management of fruit drop: Spraying with 2,4-D or Q         • Fruit drop/ Fruit fly       • Management of fruit drop: Spraying with 2,4-D or Q         • Collect & discard of fallen fruits to avoid attraction fruit fly.       • Collect & discard of fallen fruits to avoid attraction fruit fly.         • Harvesting       • Harvest along with stalk.       • Harvest along with stalk.         Guava       Harvesting       • Harvest along with stalk.         • Protect Animals/Birds from direct exposure to cold weather.       • Discarded fallen fruits.         • Protect Animals/Birds from direct exposure to cold weather.       • Provide artificial heating to poultry birds (day of 25 days old) through lightning of electric bull protect them from low temperature during night if         • Toron       • Management from low temperature during night if         • Keep the poultry house well ventilated during
<ul> <li>Collect and destroy older/wilted and plant printested with insect pest and diseases.</li> <li>Apply manures.</li> <li>Khasi Mandarin</li> <li>Fruit Maturity/ Harvesting</li> <li>Fruit drop/ Fruit fly</li> <li>Fruit fly</li> <li>Guava</li> <li>Harvesting</li> <li>Harvesting</li> <li>Harvesting</li> <li>Collect and destroy older/wilted and plant printested with insect pest and diseases.</li> <li>Apply manures.</li> <li>Management of fruit drop: Spraying with 2,4-D or O</li> <li>@ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) spraying of Planofix @ Inl/5 litres of water mining the fruit drop.</li> <li>Collect &amp; discard of fallen fruits to avoid attraction fruit fly.</li> <li>Harvests along with stalk.</li> <li>Guava</li> <li>Harvesting</li> <li>Harvest yellow firm fruits for local market. Half yel for distant market. Harvest along with stalk &amp; leaves</li> <li>Discarded fallen fruits.</li> <li>Animal Sciences</li> <li>Protect Animals/Birds from direct exposure to cold weather.</li> <li>Check for build up of insect nests in animal houses &amp; if required clean the same.</li> <li>Provide artificial heating to poultry birds (day ol 25 days old) (through lightning of electric bull protect them from low temperature during night ti weather.</li> <li>Keep the poultry house well ventilated during</li> </ul>
Khasi Mandarin       Fruit Maturity/ Harvesting       Kasi Mandarin       Fruit Maturity/ Harvesting       Kasi Mandarin       Fruit Maturity/ Harvesting       Kasi Management of fruit drop: Spraying with 2,4-D or C @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) spraying of Planofix @ 1ml/5 litres of water minin the fruit drop.         2007       Fruit fly       Spraying of Planofix @ 1ml/5 litres of water minin the fruit drop.       Collect & discard of fallen fruits to avoid attraction fruit fly.         Guava       Harvesting       Harvests along with stalk.       Harvest along with stalk.         Animal Sciences       Discarded fallen fruits.       Discarded fallen fruits.         •       Protect Animals/Birds from direct exposure to cold weather.       Discarded fallen fruits.         •       Protect Animals/Birds from direct exposure to cold weather.       •         •       Check for build up of insect nests in animal houses & if required clean the same.       •         Poultry       All stages       •       Provide artificial heating to poultry birds (day of 25 days old) through lightning of electric bulk protect them from low temperature during night ti Keep the poultry house well ventilated during
Harvesting       Harvesting         Fruit drop/ Fruit fly       Fruit drop/ Fruit fly         Fruit fly       Fruit fly         Collect & discard of fallen fruits to avoid attraction fruit fly.         Harvesting       Collect & discard of fallen fruits to avoid attraction fruit fly.         Harvesting       Harvest yellow firm fruits for local market. Half yel for distant market. Harvest along with stalk & leaves         Discarded fallen fruits.       Discarded fallen fruits.         Animal Sciences       Protect Animals/Birds from direct exposure to cold weather.         Check for build up of insect nests in animal houses & if required clean the same.       Provide artificial heating to poultry birds (day of 25 days old) through lightning of electric bull protect them from low temperature during night ti Keep the poultry house well ventilated during
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<ul> <li>2 300°N-</li> <li>2 300°N-&lt;</li></ul>
Keep the poultry house well ventilated during
time.
• Provide vitamin B complex @ /ml/litre in drink
water daily in broiler for healthy growth.
Litter should be change periodically and pro- clean drinking water and changed the water ex-
day. BANGLADESH
• Diseased and dead birds should be immedia
removed.
SCALE 1: 1,350,000 Regularly inspect the dropings of the poultry b
STATE GIS LAB. (MEGHALAYA) 0 15 30 60 90 for any diseases symptom.
Coccidiosis • Provide plenty of fresh and clean drinking water.
BOTOTE BOTOTE BOTOTE BIT (Symptoms: BIT OF Provide coccidiostatic like Amprolium @ 25
blood/mucus in mg/kg feed once a day as a preventive measure
feaces) against coccidiosis.
Ranikhet disease • Vaccinate the poultry birds with F1/ Lasota vac
(1 drop) at the age of 4-7 days old and 35 days
through eye and nostril.
Piggery         All stages         • Vaccinate all newly born piglets against swine feve
the age of 3 months followed by annual booster do
• In endemic areas, vaccinate 6 months old pigs v
FMD vaccine once in a year.
Iron supplementation in piglet to prevent from pi
<ul> <li>Iron supplementation in piglet to prevent from pi anaemia during 1<sup>st</sup> week of age (0.5-1 ml IM/ repeat after 14 days.</li> </ul>





	1		
			• Deworm your pigs by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days.
		Skin infection (Scabies)	• Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old Heifer (Female) with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
	С	Foot & Mouth Disease, HaemorrhagicSepti caemia, Black Quarter & RD BLOCK MAP O	<ul> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> <li>To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na<sub>2</sub> Co<sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread every day</li> <li>ME atleast, once around the farm premise &amp; at the antra/out statest for 10 days</li> </ul>
90°0'0''E	90°30'0''E	Deworming 91*3	<ul> <li>entry/exit atleast for 10 days.</li> <li>Deworm your cattle &amp; buffaloes by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant &amp; new born animals.</li> <li>Vitamin and mixed supplements.</li> </ul>
Fishery			
	aintain of proper dyke		
Major carps and minor carps (Catle,	All stages but fingerlings in	Saprolegnia	<b>Prophylactic measure:</b> Maintain the pH above 8.
Rohu, Mrigal, Grass carp, Silver carp, Gonius, Pengba, Bata, etc.)		3-3-3-5	Liming properly till October and not disturbing the water till February Treatment: Salt bath for 2 mins @ 2g/Liter water and followed by 5ppm KMnO <sub>4</sub> thrice a week for 6 weeks.
"30'0"N-	CO HILLS COR COR CONTROL CONTR	Epizootic Ulcerative Syndrome (EUS)	Prophylactic measure: Maintain the pH above 8. Liming properly till October and not disturbing the water till February Treatment: Apply CIFAX @ 1 litre/ha water spread area
5°0'0"N-	BLADESH Harvest of fish		FISH-X @ 1 Litre/ha Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone to disease like Saprolegnia. It is advisable not to harvest all the fish.
STATE GIS L		SCALE 1: 1,38	
Suggestion: Contact near	by State Agril. Staff of	KVK starr for necess	Rioffieters
4°30'0''N	90°30'0''E	91°0'0''E 91°30	00"E 92"0"0"E 92"30"0"E 93"0"0"E



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## bn Agro Advisory Bulletin – WEST KHASI HILLS (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 22-23°C, Minimum Temp: 12-13°C, Cloud cover: sky will be partly cloudy i.e. 3-4 Okta, Maximum RH: 84-99%, Minimum RH: 39-60%, Wind speed: 4 Kmph, Wind direction: Southeast.

#### **General Advisories:**

- > Transplant Rabi crop seedling to main field.
- > Apply straw mulch to conserve water.
- Protect young seedling from direct exposure to sunshine.OF MEGHALAYA

90°0'0''E 90°30'0''E 91°0'0''E 91°30'0''E

	-		es for coming 5 days
Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Pea	Sowing		• Prepared the land thoroughly by ploughing wit desi plough, followed by one or two harrowing t remove weeds.
PO"N-		2mg -	<ul> <li>Sow the improved varieties of garden pea (Arke GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for bette germination &amp; growth.</li> </ul>
Coriander	Land Preparation/ Sowing	T INHASI HILLS	<ul> <li>Use improved cultivar such as Sindhu, Swathi.</li> <li>Soak the seed in water over night before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm.</li> </ul>
		KANNON KANNAN	<ul> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 day after emergence.</li> </ul>
Palak Bang	Land Preparation/ Sowing		<ul> <li>Use improved cultivar such as All Green, Pus Palak, Pusa Jyoti.</li> <li>Prepare the land by 3-4 times ploughing, weedin &amp; levelling of beds should done</li> <li>Soak the seed of over night in water befor sowing.</li> </ul>
STATE GIS LA ( MEGHALAY)	2000 B	SCALE 1: 1,350,000 30 60	• Sow <sub>2</sub> the seed in line 20 cm apart and 2-3 c deep. downers
90°0'0''E	90°30'0''E 91'	0'0''E 91°30'0''E	<ul> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 day after emergence.</li> </ul>
Root Crop (Radish, carrot)	Sowing		<ul> <li>Use improved cultivar such as Japanese whi (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in water befor sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of carrot at 15-20 cm x 5-7 cm and seed of x 5-7 cm and x</li></ul>
Cole crops (Cabbage,	Transplanting		<ul> <li>radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should done 15-20 days after sowing.</li> <li>The nursery bed should be prepared by mixing</li> </ul>





	<b>D</b> rocool:			well rotten FYM or compost @ $4 \text{ kg/m}^2$ with the
	Broccoli)			soil.
				• Cabbage spacing at 60 cm x 45 cm row to row
				and plant to plant, Cauliflower at 60 cm x 45 cm
				row to row and plant to plant and Broccoli at
				45x30 cm
				• Transplant the seedling in evening and irrigate
				immediately if there is no rain.
				• Collection & destruction of cutworm.
	Ginger/Turmeric	Maturity		Avoid irrigation.
	Pineapple	Growth stage		• Weeding can be done manually or mechanically.
		C & R	D BLOCK MAP OF ME	GMALCollect and destroy older/wilted and plant parts
	90°0'0''E	90°30'0''E 91	'0'0''E 91°30'0''E	<ul> <li>Apply manures.</li> </ul>
	Khasi Mandarin	Fruit Maturity/		<ul><li> Appry manues.</li><li> Prevent bird damage.</li></ul>
26°		Harvesting		<ul> <li>Prevent bird damage.</li> <li>Management of fruit drop: Spraying with 2,4-D or</li> </ul>
		That vesting	Fruit drop/	• Management of full drop. Spraying with 2,4-D of GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l)
			Fruit fly	or spraying of Planofix @ 1ml/5 litres of water
			·	minimise the fruit drop.
		ASSAM		• Collect & discard of fallen fruits to avoid attraction
				of fruit fly.
26	0'0''N=	<u></u>	M	Harvests along with stalk.     -26°0'0"N
	Guava 🧳 🏸	Harvesting	- E	• Harvest yellow firm fruits for local market. Half
		REBURELINGEA RURANBUTTA	han man	yellow for distant market. Harvest along with stalk
	SELSELLA	EAST GARO HILLS		& leaves.
		SONCSAN RONGEWO		Discarded fallen fruits.
	Animal Sciences	s/Birds from direct expos	were to cold weether	
25°		up of insect nests in anit		d clean the same
	Poultry	All stages	marine induses a in require	• Provide artificial heating to poultry birds (day old
	S 2 SALU	STINTH GARO HILLS	RABEKOR	to 25 days old) through lightning of electric bulb
		COMPANY CONTRACTOR	man 1	to protect them from low temperature during
			h	night time.
25	"0'0"N-	LADESH		• Keep the poultry house well ventilated during day
				time. BANGLADESH
				• Provide vitamin B complex @ 7ml/litre in
				drinking water daily in broiler for healthy growth.
	STATE GIS LA	B.	SCALE 1: 1,350,000	• Litter should be change periodically and provide clean drinking water and changed the water every
	( MEGHALAY		30 60	day. Kilometers
24°	30'0''N-	1	т т	• Diseased and dead birds should be immediately
	90°0'0''E	90°30́'0''E 91	0'0''E 91°30'0''E	removed.
				• Regularly inspect the dropings of the poultry
				birds for any diseases symptom.
			Coccidiosis	• Provide plenty of fresh and clean drinking water.
	1	1	(Symptoms:	• Provide coccidiostatic like Amprolium @ 25-65
			blood/mucus in	mg/kg feed once a day as a preventive measure
			blood/mucus in feaces)	mg/kg feed once a day as a preventive measure against coccidiosis.
			blood/mucus in	<ul> <li>mg/kg feed once a day as a preventive measure against coccidiosis.</li> <li>Vaccinate the poultry birds with F1/ Lasota</li> </ul>
			blood/mucus in feaces)	<ul> <li>mg/kg feed once a day as a preventive measure against coccidiosis.</li> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35</li> </ul>
	Piggery	All stages	blood/mucus in feaces)	<ul> <li>mg/kg feed once a day as a preventive measure against coccidiosis.</li> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
	Piggery	All stages	blood/mucus in feaces)	<ul> <li>mg/kg feed once a day as a preventive measure against coccidiosis.</li> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> <li>Vaccinate all newly born piglets against swine</li> </ul>
	Piggery	All stages	blood/mucus in feaces)	<ul> <li>mg/kg feed once a day as a preventive measure against coccidiosis.</li> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>





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			Deworming	<ul> <li>In endemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age (0.5-1 ml IM/SC) repeat after 14 days.</li> <li>Deworm your pigs by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days.</li> </ul>
			Skin infection	• Provide Ivermectin (Injection) @ 10mg/33kg body
F		<b>( 0 </b>	(Scabies)	wt.
	Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old Heifer (Female) with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
	90°0'0''E	C & R 90°30'0''E 91	HaemorrhagicSepti	• Undertake regular immunization of cattle & GHA buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
26:30'0	''N-		caemia, Black Quarter	• To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na <sub>2</sub> Co <sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
26°0'(	)''N=	ASSAM	Deworming	<ul> <li>Deworm your cattle &amp; buffaloes by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant &amp; new born animals.</li> </ul>
	Sal Star	- Warm	5	• Vitamin and mixed supplements.
	Fishery	RESUBELIARA RHARRITIK	han man	RIBHOT
•	SELSELLA Ma	aintain of proper dyke.		
25°30H C	Major carps and ninor carps (Catle, Rohu, Mrigal, Grass carp, Silver carp, Gonius, Pengba, Bata, etc.)	All stages but fingerlings in particular CTH GARO HILLS	Saprolegnia	Prophylactic measure: Maintain the pH above 8. Liming properly till October and not disturbing the source water till February Treatment: Salt bath for 2 mins @ 2g/Liter water and followed by 5ppm KMnO <sub>4</sub> thrice a week for 6 weeks.
25°0'0	STATE GIS LA		Epizootic Ulcerative Syndrome (EUS) SCALE 1: 1,350,000 30 60	Prophylactic measure:
24°30'0	90°0'0''E	Harvest of fish	0'0''E 91°30'0''E	Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone to disease like Saprolegnia. It is advisable not to harvest all the fish.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

## <u>Agro Advisory Bulletin – East Garo Hills</u> (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 24-25° C, Minimum Temp: 13° C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 1-3 Okta, Maximum RH: 93-97%, Minimum RH: 59-65%, Wind speed: 3-4 Kmph, Wind direction: Northeast-East.

#### **General Advisories:**

- > Transplant Rabi crop seedling to main field.
- > Apply straw mulch to conserve water.
- > Protect young seedling from direct exposure to sunshine.

C & RD BLOCK MAP OF MEGHALAYA

A	gro meteor	ological Advis	sories for coming 5 days
Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice (Lowland)	Ripening/Harvestin g stage ASSAM		<ul> <li>Field should be drained properly to remove the excess soil moisture by constructing drainage channel around plots.</li> <li>Rice crop should be harvested keeping 20 cm stubbles in field &amp; field may be kept ready for next crop.</li> <li>Prepare paddy field for rabi crops.</li> </ul>
Pea <sup>26*0*0*N-</sup>	Sowing BATTROP CLA FUELA F		<ul> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden pea (Arkel, GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for better germination &amp; growth.</li> </ul>
25°0'0"N-	Land Preparation/ Sowing	LS seners Ration	<ul> <li>Use improved cultivar such as Sindhu, Swathi.</li> <li>Soak the seed in water over night before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
	Land Preparation/ Sowing TE GIS LAB. GHALAYA )	SCALE 1 0 15 30 60 91*0'0"E	• Use improved cultivar such as All Green, Pusa Palak, Pusa Jyoti. • • • • • • • • • • • • • • • • • • •
Root Crop (Radish, carrot)	Sowing		<ul> <li>Use improved cultivar such as Japanese white (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in water before sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> </ul>
Cole crops	Transplanting		• The nursery bed should be prepared by mixing well rotten





			2
(Cabbage, Cauliflower, Broccoli)			<ul> <li>FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row and plant to plant, Cauliflower at 60 cm x 45 cm row to row and plant to plant and Broccoli at 45x30 cm</li> <li>Transplant the seedling in evening and irrigate immediately if there is no rain.</li> <li>Collection &amp; destruction of cutworm.</li> </ul>
Ginger/Turmeric	Maturity		Avoid irrigation.
Pineapple	Growth stage	C & RD BLOCK MAP	<ul> <li>Weeding can be done manually or mechanically.</li> <li>Collect and destroy older/wilted and plant parts infested with insect pest and diseases.</li> <li>MApply manures.</li> </ul>
Khasi Mandarin	Fruit Maturity/30'0"E		- Day and Lind Lawrence
	Harvesting	91°0'0''E	<b>e e e e e e e e e e</b>
26°30'0"N		Fruit drop/ Fruit fly	<ul> <li>Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.</li> <li>Collect &amp; discard of fallen fruits to avoid attraction of fruit fly.</li> </ul>
			<ul><li>Harvests along with stalk.</li></ul>
Guava	Harvesting		<ul> <li>Harvest salong with stark.</li> <li>Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk &amp; leaves.</li> </ul>
26°0'0''N-	An	- I - M	<ul> <li>Discarded fallen fruits.</li> </ul>
Animal Sciences	S C NEWNELIWAN	ADADABATRA COMPANY	RI-BHOI
	Drotact Animals/I	Birds from direct exposure	to cold weather
		RONGENG	
	• Check for build u	p of insect nests in animal	houses & if required clean the same.
D.25°80'0"N-	WEER GARO HILLS	Moneston Munth	
Poultry	All stages	S WEST KHASI HILLS	• Provide artificial heating to poultry birds (day old to 25
20K2AR	Sandy CHOKPOT LACHAN	my hand many	days old) through lightning of electric bulb to protect them
2~	MAN CONTHEAROH	LS HANKOR	<ul> <li>from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day time.</li> </ul>
	CARMANANA	I a 2 mart	
			• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.
25°0'0''N-	BANGLADESH		
25 0 0 N-			• Litter should be change periodically and provide clean drinking water and changed the water every day.
			<ul> <li>Diseased and dead birds should be immediately removed.</li> </ul>
			<ul> <li>Regularly inspect the dropings of the poultry birds for any</li> </ul>
		SCALE 1:	1,350,0° diseases symptom.
	E GIS LAB. GHALAYA )	Coccidiosis 60	<ul> <li>Provide plenty of fresh and clean drinking water.</li> </ul>
	JIALATA /	(Symptoms:	<ul> <li>Provide picity of first and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg</li> </ul>
24°30'0''N-	0"E 90°30'0"E	blood/mucus in	feed once <sup>2</sup> a <sup>-</sup> day as a <sup>2</sup> preventive measure against
		feaces)	coccidiosis.
		Ranikhet disease	• Vaccinate the poultry birds with F1/ Lasota vaccine (1
			drop) at the age of 4-7 days old and 35 days old through
			eye and nostril.
Piggery	All stages		• Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.
			<ul> <li>In endemic areas, vaccinate 6 months old pigs with FMD</li> </ul>
			vaccine once in a year.
			• Iron supplementation in piglet to prevent from piglet
			anaemia during 1 <sup>st</sup> week of age (0.5-1 ml IM/SC) repeat
		Deworming	after 14 days.
			• Deworm your pigs by albendazole @ 5-10 mg/kg body





			weight once and repeat after 21 days.
		Skin infection	<ul> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
		(Scabies)	
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul> <li>Vaccinate 6-9 months old Heifer (Female) with <i>Brucella</i> abortus cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
90 <sup>4</sup>	0'0''E 90"30'0''E	Foot & Mouth Disease, HaemorrhagicSepticae mia, Black Quarter Deworming C & RD BLOCK MAP	<ul> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> <li>To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na<sub>2</sub> Co<sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise &amp; at the entry/exit atleast for 10 days.</li> <li>OF Deworm your cattle &amp; buffaloes by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant &amp; new born animals.</li> <li>Vitamin and mixed supplements.</li> </ul>
Fishery			-26°30'0''N
Maintain of p	proper dyke.		
Major carps and minor carps (Catle,	All stages but fingerlings in	Saprolegnia	<b>Prophylactic measure:</b> Maintain the pH above 8.
Rohu, Mrigal, Grass carp, Silver carp, Gonius, Pengba, Bata, etc.)	particular result of the second of the seco	CHILE PROCENC	Liming properly till October and not disturbing the water till February <b>Treatment:</b> Salt bath for 2 mins @ 2g/Liter water and followed by 5ppm KMnO <sub>4</sub> thrice a week for 6 weeks.
25°30'0"N-	AND CARD HILLS	Epizootic Ulcerative Syndrome (EUS)	Prophylactic measure: Maintain the pH above 8. Liming properly till October and not disturbing the water till February Treatment: Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha
25°0'0''N-	Harvest of fish		Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone to disease like Saprolegnia. It is advisable not to harvest all the fish.
STAT	nearby State Agril. S re GIS LAB. GHALAYA)	Staff or KVK staff for n SCALE 1: 0 15 30 60	ecessary help and suggestion.
24°30'0''N-	00"E 90°30'0"E	91°0'0''E s	24*30'0''E 92*0'0''E 93*0'0''E 93*0'0''E





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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

## <u>Agro Advisory Bulletin – EAST JAINTIA HILLS</u> (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 23-24°C, Minimum Temp: 12-14°C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 2-3 Okta, Maximum RH: 61-80%, Minimum RH: 30-49%, Wind speed: 5 Kmph, Wind direction: Northeast.

**General Advisories:** 

- Transplant Rabi crop seedling to main field.
- > Apply straw mulch to conserve water. C & RD BLOCK MAP OF MEGHALAYA
- Protect young seedling from direct exposure to sunshine.

#### Agro meteorological Advisories for coming 5 days

92°0'0"E

92°30'0''E

Main	Crop	Stage	Pest/Diseases	Agricultural Advisories
Pea 26°0'0"N-	ASS.	Sowing ASSAM		<ul> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden pea (Arkel, GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for better germination &amp; growth.</li> </ul>
<b>Coriande</b> 25°30'0''N-	r	Land Preparation/	WEST ISHASI HILLS	<ul> <li>Use improved cultivar such as Sindhu, Swathi.</li> <li>Soak the seed in water over night before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
Palak 25°0'0'N- 24°30'0''N-		Land Preparation/ BANGLADESH Sowing	0 15 30	<ul> <li>Use improved cultivar such as All Green, Pusa Palak, Pusa Jyoti.</li> <li>Prepare the land by 3-4 times ploughing, weeding &amp; levelling of beds should done</li> <li>Soak the seed of over night in water before sowing.</li> <li>Sow the seed in line 20 cm apart and 2-3 cm deep.</li> <li>Maintain proper solution moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after</li> </ul>
Root Cro (Radish, o		ordore oordoore Sowing	91°0'0''E	<ul> <li>Use improved cultivar such as Japanese white (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in water before sowing.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> </ul>
Cole crop (Cabbage Cauliflow Broccoli)	e, ver,	Transplanting		<ul> <li>The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row and plant to plant, Cauliflower at 60 cm x 45 cm row to row and plant to</li> </ul>



# **GRAMIN KRISHI MAUSAM SEWA** ICAR Research Complex for NEH Region



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			<ul> <li>plant and Broccoli at 45x30 cm</li> <li>Transplant the seedling in evening and irrigate immediately if there is no rain.</li> <li>Collection &amp; destruction of cutworm.</li> </ul>
Ginger/Turmeric	Maturity		Avoid irrigation.
Pineapple	Growth stage		<ul> <li>Weeding can be done manually or mechanically.</li> <li>Collect and destroy older/wilted and plant parts infested with insect pest and diseases.</li> <li>Apply manures.</li> </ul>
Khasi Mandarin	Fruit Maturity/ Harvesting	Fruit drop/D BLOCK	<ul> <li>Prevent bird damage.</li> <li>Management of fruit drop: Spraying with 2,4-D or GA3 @ 15</li> <li>MAP(mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix         <ul> <li>@ 1ml/5 litres of water minimise the fruit drop.</li> <li>Gollect &amp; discard of fallen fruits to avoid attraction of fruit</li> </ul> </li> </ul>
26°30'0''N-			fly. • Harvests along with stalk.
Guava	Harvesting		<ul> <li>Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk &amp; leaves.</li> <li>Discarded fallen fruits.</li> </ul>
Animal Sciences	ASSAM	•	ASSAM
		t exposure to cold weath in animal houses & if r	
Poultry 8	All stages	Coccidiosis (Symptoms: blood/mucus in feaces) Ranikhet disease	<ul> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the dropings of the poultry birds for any diseases symptom.</li> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop)</li> </ul>
	TATE GIS LAB. NEGHALAYA )	0 15 30	at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	eoro <sup>tion</sup> E All stagesonationE	Deworming Skin infection	<ul> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In endemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age (0.5-1 ml IM/SC) repeat after 14 days.</li> <li>Deworm your pigs by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days.</li> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
Cattle &	6-9 months calves	(Scabies) Brucellosis	<ul> <li>Vaccinate 6-9 months old Heifer (Female) with <i>Brucella</i></li> </ul>
Buffaloes			abortus cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth	• Undertake regular immunization of cattle & buffaloes against





		Disease, HaemorrhagicSeptic aemia, Black Quarter Deworming	<ul> <li>Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> <li>To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na<sub>2</sub> Co<sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise &amp; at the entry/exit atleast for 10 days.</li> <li>Deworm your cattle &amp; buffaloes by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant &amp; new born animals.</li> <li>Vitamin and mixed supplements.</li> </ul>
Fishery			
•	Maintain of proper d		
Major carps and minor carps (Catle, Rohu, Mrigal, Grass carp, Silver carp, Gonius, Pengba, Bata, etc.)	All stages but fingerlings in particular	Saprolegnia C & RD BLOCK	Prophylactic measure: Maintain the pH above 8. Liming properly till October and not disturbing the water till February Treatment: Salt bath for 2 mins @ 2g/Liter water and followed by 5ppm KMnO <sub>4</sub> thrice a week for 6 weeks.
26°0'0''N-	ASSAM	Epizootic Ulcerative Syndrome (EUS)	Prophylactic measure: Maintain the pH above 8. Liming properly till October and not disturbing the water till February Treatment: Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha
25"30'0"N-	Harvest of fish	WEST ISHASI HILLS	Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone to disease like Saprolegnia. It is advisable not to harvest all the fish.
Suggestion: Conta	ct nearby State Agril	. Staff or KVK staff f	for necessary help and suggestion.
25°0'0''N-	BANGLADESH	<b>SCA</b> 0 15 30	LE 1: 1,350,000 60 90 120
24°30'0''N-	90°30'0"E 90°30'0"E	91°0'0''E	Kilometers           91*30'0''E         92*30'0''E         93*0'0''E





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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

-26°30'0''N

## <u>Agro Advisory Bulletin – EAST KHASI HILLS</u> (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 22-24°C, Minimum Temp: 12-13°C, Cloud cover: sky will be partly cloudy i.e. 3-4 Okta, Maximum RH: 77-98%, Minimum RH: 44-65%, Wind speed: 5-7 Kmph, Wind direction: Northwest. **General Advisories:** 

- > Transplant Rabi crop seedling to main field.
- > Apply straw mulch to conserve water.
- > Protect young seedling from direct exposure to sunshine.

C & RD BLOCK MAP OF MEGHALAYA

90°30'0''E 91°0'0''E 91°30'0''E 92°

## Agro meteorological Advisories for coming 5 days

M	ain Crop	Stage	Pest/Diseases	Agricultural Advisories
Pea 26°0'0"N=	55 MM Starter	Sowing ASSAM HENELLORA EASTINGTON HILLS	222	<ul> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden pea (Arkel, GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for better germination &amp; growth.</li> </ul>
Coriander	BOOLA WEES GARCO BEILARS GROW	Land Preparation/ Sowing	HEREASE HER	<ul> <li>Use improved cultivar such as Sindhu, Swathi.</li> <li>Soak the seed in water over night before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
Palak 25°0'0''N-	BANG	Land Preparation/ Sowing	SCALE 1: 1,350,000	<ul> <li>Use improved cultivar such as All Green, Pusa Palak, Pusa Jyoti.</li> <li>Prepare the land by 3-4 times ploughing, weeding &amp; levelling of beds should done</li> <li>Soak the seed of over night in water before sowing.</li> </ul>
24°30'0''N-	STATE GIS LA ( MEGHALAYA 90°0 <sup>1</sup> 0″E	90"30"0"E	6 30 60 90 91*0'0''E 91*30'0''E	<ul> <li>Sow the seed in line 20 cm apart and 2-3 cm deep.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
	o (Radish, carrot)	Sowing		<ul> <li>Use improved cultivar such as Japanese white (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in water before sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> </ul>
Cole crops	s (Cabbage,	Transplanting		• The nursery bed should be prepared by mixing





Cauliflower	r, Broccoli)			<ul> <li>well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row</li> </ul>
				and plant to plant, Cauliflower at 60 cm x 45 cm
				row to row and plant to plant and Broccoli at 45x30 cm
				• Transplant the seedling in evening and irrigate
				immediately if there is no rain.
				• Collection & destruction of cutworm.
Ginger/Tur	meric	Maturity		Avoid irrigation.
Pineapple		Growth stage	RD BLOCK MAP OF MEGHA	• Weeding can be done manually or mechanically. • Collect and destroy older/wilted and plant parts
	90°0'0''E	90°30'0''E	91°0'0"E 91°30'0"E	infested with insect pest and diseases.
			515551	Apply manures.
Khasi Mano	darin	Fruit Maturity/		• Prevent bird damage.
		Harvesting	Fruit drop/	• Management of fruit drop: Spraying with 2,4-D or $CA^2 \otimes 15$ (mod 1) then (10 m) by Property (10 m)
			Fruit fly	GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water
			1 1010 11	minimise the fruit drop.
		ASSAM		• Collect & discard of fallen fruits to avoid
			1	attraction of fruit fly.
26°0'0''N-	1111	M		Harvests along with stalk.
Guava	* 5	Harvesting	TIA TO THE MAN	• Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk
			Land I I	
	J DAREBOX	EAST GRAO HILLS		
	Sector LA	BAST GRO HILS	S MURANC	<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> </ul>
Animal Scie	ences Control	EASTOR OHILS SORCAN		& leaves.
• 25'30'0''N-Pro	tect Animals/Birds	From direct exposure		& leaves. • Discarded fallen fruits.
• 25°30'0''N-Pro • Che	tect Animals/Birds	insect nests in animal	to cold weather. houses & if required clean the	& leaves. Discarded fallen fruits. -25°30'0"N same.
• 25'30'0''N-Pro	tect Animals/Birds			<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>same.</li> <li>Provide artificial heating to poultry birds (day old</li> </ul>
• 25°30'0"N-Pro • Che	tect Animals/Birds	insect nests in animal		<ul> <li>Discarded fallen fruits.</li> <li>Discarded fallen fruits.</li> <li>same.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during</li> </ul>
• 25°30'0''N-Pro • Che	tect Animals/Birds eck for build up of	All stages		<ul> <li>Biscarded fallen fruits.</li> <li>Discarded fallen fruits.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> </ul>
• 25°30'0"N-Pro • Che	tect Animals/Birds eck for build up of	insect nests in animal		<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>anne.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day</li> </ul>
• 25:30'0'N-Pro • Che Poultry	tect Animals/Birds eck for build up of	All stages		<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>annotation and the same and the sam</li></ul>
• 25:300'N-Pro • Che Poultry	tect Animals/Birds eck for build up of	All stages		<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>anne.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day</li> </ul>
• 25:300'N-Pro • Che Poultry	eck for build up of	All stages	houses & if required clean the	<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>same.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day time.</li> <li>BANGLADESH</li> <li>Provide vitamin B complex @ 7ml/litre in</li> </ul>
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• 25°30'0''N-Pro • Che Poultry 25°0'0''N-	eck for build up of BANG BANG STATE GIS LA (MEGHALAY/	All stages All stages ADESH	houses & if required clean the	<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the dropings of the poultry birds for any diseases symptom.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure</li> </ul>
• 25°30'0''N-Pro • Che Poultry 25°0'0''N-	eck for build up of BANG BANG STATE GIS LA (MEGHALAY/	All stages All stages ADESH	houses & if required clean the	<ul> <li>&amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the dropings of the poultry birds for any diseases symptom.</li> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
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2: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

			booster dose.
		Deworming	<ul> <li>In endemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age (0.5-1 ml IM/SC) repeat after 14 days.</li> </ul>
			• Deworm your pigs by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days.
		Skin infection	• Provide Ivermectin (Injection) @ 10mg/33kg
		(Scabies)	body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old Heifer (Female) with <i>Brucella abortus</i> cotton strain-19 @ 5ml
	C &	RD BLOCK MAP OF MEGHA	LAYA subcutaneous on the neck
90°0'0''E	90°30'0''E	Foot & Mouth Disease,	• Undertake regular immunization of cattle &
26°30'0''N-		HaemorrhagicSepticaemia, Black Quarter	buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
20.000 1		Deworming	• To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na <sub>2</sub> Co <sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm
	ASSAM		<ul> <li>premise &amp; at the entry/exit atleast for 10 days.</li> <li>Deworm your cattle &amp; buffaloes by albendazole</li> </ul>
26'0'0'N-		Ly Engl	<ul> <li>Dewonn your cattle &amp; burnardes by arbendazole</li> <li>@ 5-10 mg/kg body weight once and repeat after</li> <li>21 days. Do not give to pregnant &amp; new born</li> <li>R+Panimals.</li> </ul>
5 Canterna	EAST GREAT HILLS	for King	Vitamin and mixed supplements.
Fishery	SONG SAN RONG RIG	7 7 1	- vitalini ala inved supplements.
	n of proper dyke.		Strang of South
Major carps and minor	All stages but	Saprolegnia	Prophylactic measure: -25°30'0"N
carps (Catle, Rohu, Mrigal,	fingerlings in	EST INHASI HILLS	Maintain the pH above 8.
Grass carp, Silver carp,	particular	Land Ministeries Linearth	Liming properly till October and not disturbing the
Gonius, Pengba, Bata, etc.)	CENINH GARO HILLS	RAISSOR	water till February Treatment:
25°0'0''N-	ADESH		Salt bath for 2 mins @ 2g/Liter water and followed by 5ppm KMnO <sub>4</sub> thrice a week for 6 weeks. BANGLADESH
		Epizootic Ulcerative Syndrome (EUS)	Prophylactic measure: Maintain the pH above 8.
STATE GIS LA (MEGHALAY		<b>SCALE 1: 1,350,000</b> 5 30 60 90	Liming properly till October and not disturbing the water till February
24°30'0''N			Treatment:
90°0'0″E	90°30'0''E	91°0'0''E 91°30'0''E	Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha
	Harvest of fish		Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone to disease like Saprolegnia. It is advisable not to harvest all the fish.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

26°30'0''N

## <u>Agro Advisory Bulletin – NORTH GARO HILLS</u> (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 23-25° C, Minimum Temp: 13-14° C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 2-4 Okta, Maximum RH: 88-95%, Minimum RH: 56-64%, Wind speed: 3-4 Kmph, Wind direction: East.

#### **General Advisories:**

26°30'0''N

- > Transplant Rabi crop seedling to main field.
- > Apply straw mulch to conserve water.
- Protect young seedling from direct exposure to sunshine. MAP OF MEGHALAYA

90°30'0''E 91°0'0''E 91°30'0''E

## Agro meteorological Advisories for coming 5 days

Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Ripening/Harvestin		• Field should be drained properly to remove the excess
(Lowland)	g stage ASSAM	7	<ul> <li>soil moisture by constructing drainage channel around plots.</li> <li>Rice crop should be harvested keeping 20 cm stubbles in field &amp; field may be kept ready for next crop.</li> </ul>
	TRUNELA REMOVELIMAA	Lander Jan Mark	Prepare paddy field for rabi crops.
25°30'0"N-	Sowing Barro HILLS BARO HILLS	WEST INHASI HILLS	<ul> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden pea (Arkel, GS-</li> </ul>
2006	CAMELOR DALIN SALIN NTH GARO HILL	INFORM HARROR	<ul> <li>10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for better germination &amp; growth.</li> </ul>
Coriander	Land Preparation/	~ 2 mile	• Use improved cultivar such as Sindhu, Swathi.
25°0'0''N-	Sowing BANGLADESH		<ul> <li>Soak the seed in water over night before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm. BANGLADESH</li> </ul>
		SCALE 1: 1,35	<ul> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
Palak (MEGH	Land Preparation/ Sowing	0 15 30 60	• 90 Use improved cultivar such as All Green, Pusa Palak, Pusa Jyoti.
24 30 0 W-2 90°0'0''E	90°30'0''E	91°0'0''E 91°30'	<ul> <li>Prepare the land by 3-4 times ploughing, weeding &amp; levelling of beds should done</li> </ul>
			• Soak the seed of over night in water before sowing.
			• Sow the seed in line 20 cm apart and 2-3 cm deep.
			• Maintain proper soil moisture after sowing.
			• Maintain proper spacing by thinning, 10-15 days after emergence.
Root Crop (Radish, carrot)	Sowing		• Use improved cultivar such as Japanese white (Radish) and New Kuroda (Carrot).
			• Soak the seed of carrot over night in water before sowing.
			• Sow the seed on raised bed of 30-45 cm width.
			• Sow the seed of carrot at 15-20 cm x 5-7 cm and





Ginger/Turmeric       Maturity       • Collection & destruction of cutworm.         Pincapple       Growth stage       • Other and the stage       • Other and the stage         Pincapple       Growth stage       • Other and the stage       • Other and the stage         R Khasi Mandarin       Fruit Maturity/       • Other and the stage       • Other and the stage         Fruit Maturity/       Fruit drop/       • Prevent bird damage.       • Prevent bird damage.         Management of fruit drop.       Fruit fly       • Collect & discard of fallen fruits to avoid attraction of fruit fruit.         Marrows       Harvesting       • Collect & discard of fallen fruits for local market. Half yellow for distant market. Harvest along with stalk.         Guava       Harvesting       • Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk & leaves.         • Protect Animals/Birds from direct exposure to cold weather.       • Protect Animals/Birds from direct exposure to cold weather.         • Check for build up of insect nests in animal houses & if required clean the same.       • Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.         * Store       BANGLADESH       • Provide vitanin B comptex @ 7ml/time in drinking water daily in biolier for heathy growth.	Cole crops (Cabbage			
Cole crops (Cabbage, Cauliflower, Broccoli)       Transplanting <ul> <li>The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row and plant to plant. Cauliflower at 60 cm x 45 cm row to row and plant to plant. Cauliflower at 60 cm x 45 cm row to row and plant to plant and Broccoli at 45x30 cm</li> <li>Transplant the seedling in evening and irrigate immediately if there is no rain.</li> <li>Collection &amp; destruction of cutworm.</li> </ul> Ginger/Turmeric         Maturity <ul> <li>Avoid irrigation.</li> <li>Collection &amp; destruction of cutworm.</li> </ul> Pineapple <ul> <li>grown</li> <li>Growth stage</li> <li>grown</li> <li>Weeding can be done manually or mechanically.</li> <li>Collect and destroy older/willed and plant parts infested with insect pest and diseases.</li> <li>Apply manures.</li> </ul> Khasi Mandarin         Fruit Maturity/ Harvesting <ul> <li>Fruit drop/ Fruit fly</li> <li>Fruit drop/ Fruit fly</li> <li>Fruit drop/ Fruit fly</li> <li>Harvest along with stalk.</li> </ul> Guava         Harvesting <ul> <li>Fruit drop/ Fruit fly</li> <li>Harvest along with stalk.</li> <li>Harvest along with stalk.</li> </ul> Guava         Harvesting <ul> <li>Harvest stalong with stalk.</li> <li>H</li></ul>	Cole crops (Cabbage			
Cauliflower, Broccoli)		Transplanting		
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Ginger/Turmeric       Maturity       • Avoid irrigation.         Ginger/Turmeric       Maturity       • Avoid irrigation.         Pineapple       Growth stage       #************************************				
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Ginger/Turmeric       Maturity       • Collection & destruction of cutworm.         Pincapple       Growth stage       • Other and the stage       • Other and the stage         Pincapple       Growth stage       • Other and the stage       • Other and the stage         R Khasi Mandarin       Fruit Maturity/       • Other and the stage       • Other and the stage         Fruit Maturity/       Fruit drop/       • Prevent bird damage.       • Prevent bird damage.         Management of fruit drop.       Fruit fly       • Collect & discard of fallen fruits to avoid attraction of fruit fruit.         Marrows       Harvesting       • Collect & discard of fallen fruits for local market. Half yellow for distant market. Harvest along with stalk.         Guava       Harvesting       • Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk & leaves.         • Protect Animals/Birds from direct exposure to cold weather.       • Protect Animals/Birds from direct exposure to cold weather.         • Check for build up of insect nests in animal houses & if required clean the same.       • Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.         * Store       BANGLADESH       • Provide vitanin B comptex @ 7ml/time in drinking water daily in biolier for heathy growth.				
Ginger/Turmeric       Maturity       - Avoid irrigation.         Pineapple       Growth stage       Avoid irrigation.         Pineapple       Growth stage       Avoid irrigation.         Statut       - Weeding can be done manually or mechanically.       - Cellect and destroy older/wilted and plant parts infested with insect pest and diseases.         Statut       - Apply manures.       - Apply manures.         Khasi Mandarin       Fruit Maturity/ Harvesting       - Prevent bird damage.         Fruit drop/ Fruit fly       - Prevent bird damage.       - Management of fruit drop: Spraying with 2.4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ Iml/S litres of water minimise the fruit drop.         Calear       Harvesting       - Collect & discard of fallen fruits to avoid attraction of fruit fly.         Barwesting       - Order distant market. Harvest along with stalk.         Guava       Harvesting       - Discarded fallen fruits.         Animal Sciences       - Order Animals/Birds from direct exposure to cold weather.       - Discarded fallen fruits.         • Provide Animals/Birds from direct exposure to cold weather.       - Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bub to protect them from low temperature during night time.         • Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for halthy growth.       - Provide vitamin B complex @ 7ml/litre in drinking				• Transplant the seedling in evening and irrigate
Ginger/Turmeric       Maturity       • Avoid irrigation.         Pineapple       Growth stage       #1000000000000000000000000000000000000				
C & RD BLOCK MAP Of MECHALAYA         Pineapple       Growth stage or growth growth stage or growth g				• Collection & destruction of cutworm.
Pineapple       Growth stage or e       Prove       Provide       Provide	Ginger/Turmeric	Maturity		AND REPORT OF A DECIDENT OF A
<ul> <li>Collect and destroy older/wilted and plant parts infested with insect pest and diseases.</li> <li>Apply manures.</li> <li>Apply manures.</li> <li>Apply manures.</li> <li>Prevent bird damage.</li> <li>Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.</li> <li>Collect &amp; discard of fallen fruits to avoid attraction of fruit fly.</li> <li>Harvesting</li> <li>Harvesting</li> <li>Prevent bird damage.</li> <li>Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.</li> <li>Collect &amp; discard of fallen fruits to avoid attraction of fruit fly.</li> <li>Harvesting</li> <li>Harvesting</li> <li>Provide attract. Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk &amp; leaves.</li> <li>Discarded fallen fruits.</li> <li>Animal Sciences</li> <li>Protect Animals/Birds from direct exposure to cold weather.</li> <li>Check for build up of insect nests in animal houses &amp; if required clean the same.</li> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day time.</li> <li>Provide vitatini B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean the first or do be change periodically and provide clean the first or do be change periodically and provide clean the first or do be change periodically and provide clean the first or do be change periodically and provide clean the first or do be change periodically and provide clean the first or do be change periodically and provide clean the first or do be change peri</li></ul>	Pineannle	Growth stage		• Wooding can be done manually or machanically
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<ul> <li>Keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water daily in broiler or healthy growth.</li> </ul>			minute	
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<ul> <li>water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking metric and the metric area data.</li> </ul>	25°0'0''N-	and the second shares in the second second		
Litter should be change periodically and provide clean				
detailing makes and showed the material day				
				duin line success and show and the success and an
STATE GIS LAB.			SCALE 1: 1,35	• <sub>90</sub> Diseased <sub>20</sub> and dead birds should be immediately
(MEG-ALAYA) 0 15 30 60 • 90DIseased 20 and dead birds should be immediately removed.	( MEGH	ALAYA)	0 15 30 60	
24°30'0''N		90°30'0''E	91°0'0''E 91°30'	-24*30'0''N
any diseases symptom.				
Coccidiosis • Provide plenty of fresh and clean drinking water.				• Provide plenty of fresh and clean drinking water.
				• Provide coccidiostatic like Amprolium @ 25-65
			blood/mucus in feaces)	mg/kg feed once a day as a preventive measure against
coccidiosis.				
			Kanikhet disease	· · · · · · · · · · · · · · · · · · ·
				drop) at the age of 4-7 days old and 35 days old through eve and nostril
through eye and nostril.				
Plagery All stages	Piggery	All stages		Vaccinate all newly how nights accinct aving former at
	Piggery	All stages		• Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose
the age of 3 months followed by annual booster dose.	Piggery	All stages		





2: Telephone No.: 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

		Deworming	<ul> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age (0.5-1 ml IM/SC) repeat after 14 days.</li> <li>Deworm your pigs by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days.</li> </ul>
		Skin infection (Scabies)	• Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old Heifer (Female) with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, HaemorrhagicSepticae mia, Black Quarter	• Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
90°0'0	E 90°30'0''E	C & RD BLOCK MAP OF	solution (400 gm Na, Co, in 10 litres of water) or lime/
26°30'0''N		Deworming	once around the farm premise & at the entry/exit atleast for 10 days.
			• Deworm your cattle & buffaloes by albendazole @ 5- 10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant & new born animals.
	ASSAM		Vitamin and mixed supplements.
Fishery			
	aintain of proper dyke.	7	-26°0'0''N
Major carps and minor carps (Catle,	All stages but	Saprolegnia	
Rohu, Mrigal, Grass carp, Silver carp, Gonius, Pengba, Bata, etc.)30007N-	Fingerlings in particular GARO HILLS GARO HILLS BANGLADESH	Epizootic Ulcerative Syndrome (EUS)	Prophylactic measure:         Maintain the pH above 8.         Liming properly till October and not disturbing the water till February         Treatment:         Salt bath for 2 mins @ 2g/Liter water and followed by.         Sppm KMnO4 thrice a week for 6 weeks.         Prophylactic measure:         Maintain the pH above 8.         Liming properly till October and not disturbing the water till February         Treatment:         Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



2: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

-26°30'0''N

## <u>Agro Advisory Bulletin – Ri-Bhoi</u> (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

Weather summary of the past four days	Weather forecast valid up to 1 <sup>st</sup> December, 2019		
Sky was mainly cloudy with 0.0 mm of rainfall. Maximum temperatures ranged between 22.4-24.7°C and minimum ranged between 10.4-12.0°C. Mean relative humidity was 94-96% in morning and 55-63% in evening. Wind speed ranged between 4 kmph.	The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 22.0-24.0°C, Minimum Temp: 12-13.0°C, Cloud cover: sky will be partly cloudy i.e. 3-4 Okta, Maximum RH: 90- 97%, Minimum RH: 52-59%, Wind speed: 4 Kmph, Wind direction: Southeast.		
General Advisories: Transplant Rabi crop seedling to main field. RD BLOCK M	AP OF MEGHALAYA		
<ul> <li>Apply straw mulch to conserve water.</li> </ul>	91°30'0''E 92°0'0''E 92°30'0''E 93°0'0''E		
Protect young seedling from direct exposure to sunshine			

Protect young seedling from direct exposure to sunshine.
28\*30'0'N-

#### Agro meteorological Advisories for coming 5 days

Main Crop	AssStage	Pest/Diseases	Agricultural Advisories
Pea 26'0'0'W- 26'0'0'W- Root Crop (Radish, """ carrot)	Sowing Remain and the second of the second	TRADETTA 200 MARINET WEST ISHIA SI HILLS WEST ISHIA SI HILLS MARINE MARINE	<ul> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden pea (Arkel, GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for better germination &amp; growth.</li> <li>Use improved cultivar such as Japanese white (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in water before sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> </ul>
25°0'0''N-	BANGLADESH	- I	<ul> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> </ul>
( MEGI	Transplanting GIS LAB. ALAYA )	SCALE 1: 15 30 60	<ul> <li>The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row and plant to plant, Cauliflower at 60 cm x 45 cm row to row and plant to plant and Broccoli at 45x30 cm</li> </ul>
24*30'0''N-L90*0'0''	90°30'0''E	91°0'0''E	<ul> <li>Transplant of the seedling of the evening and irrigate immediately if there is no rain.</li> <li>Collection &amp; destruction of cutworm.</li> </ul>
Ginger/Turmeric	Maturity		Avoid irrigation.
Coriander	Land Preparation/ Sowing		<ul> <li>Use improved cultivar such as Sindhu, Swathi.</li> <li>Soak the seed in water over night before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>





<b>D</b> 1 1			
Palak	Land Preparation/ Sowing		<ul> <li>Use improved cultivar such as All Green, Pusa Palak, Pusa Jyoti.</li> <li>Prepare the land by 3-4 times ploughing, weeding &amp; levelling of beds should done</li> <li>Soak the seed of over night in water before sowing.</li> </ul>
			<ul> <li>Sow the seed in line 20 cm apart and 2-3 cm deep.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
Pineapple	Growth stage		<ul> <li>Weeding can be done manually or mechanically.</li> <li>Collect and destroy older/wilted and plant parts infested with insect pest and diseases.</li> <li>Apply manures.</li> </ul>
Khasi Mandarin	Fruit Maturity/ C	& RD BLOCK MAP 91°0'0''E	•F Management of fruit drop: Spraying with 2,4-D or GA3 @ 1*300°15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of
26°30'0''N-		Fruit drop/ Fruit fly	<ul> <li>Planofix @ 1ml/5 litres of water minimise the fruit drop.</li> <li>Collect &amp; discard of fallen fruits to avoid attraction of fruit fly.</li> <li>Harvests along with stalk.</li> <li>To prevent bird damage of Khasi Mandarin fruit use bird</li> </ul>
Guava	Harvesting		<ul> <li>netting or used traditional methods of bird control.</li> <li>Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk &amp; leaves.</li> </ul>
26°0'0''N-	15 Mary	-	<ul> <li>Discarded fallen fruits.</li> </ul>
Animal Sciences	TRAVIRELA	KHARKUTTA TO T	RI-BHET
	s <mark>/Birds fro</mark> m direct exposu		
	up of insect nests in anim	al houses & if requi	
25°30'0''N-	CARE OF THE CARE O	WEST ISHASI HILLS	<ul> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> <li>Keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the dropings of the poultry birds for any</li> </ul>
	GIS LAB. ALAYA )	Coccidiosis (Symptoms: <sup>1</sup> blood/mucus in feaces)	<ul> <li>diseases symptom.</li> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
90°0'0″E	90°30'0''E	Ranikhet disease	• Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In endemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age (0.5-1 ml IM/SC) repeat</li> </ul>
		Deworming Skin infection	<ul> <li>after 14 days.</li> <li>Deworm your pigs by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days.</li> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>





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		(Scabies)	
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old Heifer (Female) with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, HaemorrhagicSe pticaemia, Black Quarter	<ul> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> <li>To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na<sub>2</sub> Co<sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise &amp; at the entry/exit atleast for 10</li> </ul>
		Deworming	<ul> <li>days.</li> <li>Deworm your cattle &amp; buffaloes by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days. Do not OF give to pregnant &amp; new born animals.</li> </ul>
	E 90°30'0''E	& RD BLOCK MAP	• Vitamin and mixed supplements.
Fishery	E 90°30'0"E	91°0'0"E 5	300° ( Rumini and Mixed Supplementer as a second
•	aintain of proper dyke.		-28°30'0''N
Major carps and	All stages but	Saprolegnia	Prophylactic measure:
minor carps (Catle,	fingerlings in		Maintain the pH above 8.
Rohu, Mrigal, Grass	particular		Liming properly till October and not disturbing the water till
carp, Silver carp,			February
Gonius, Pengba, Bata,	ASSAM		Treatment:
etc.)			Salt bath for 2 mins @ 2g/Liter water and followed by 5ppm
26°0'0''N-	En Man		KMnO <sub>4</sub> thrice a week for 6 weeks.
SK S	MARKALA VISA	and a	the second secon
	NESUBELIANA	Epizootic	Prophylactic measure:
SRLSELL O	EASTERRO HILLS	Ulcerative	Maintain the pH above 8.
	Songan 7 Rom	Syndrome (EUS)	Liming properly till October and not disturbing the water till
- Me	ST GARO HILLS	- Manegariana s	February
25°30'0''N-	SAMABER D	WEST KHASI HILLS	Treatment: -25'30'0''N
THE ZAK		MILLI MILLIS	Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha
2nd	Harvest of fish	5	Harvest the fish in the month of October and November (before
		EA RAINCOR	the winter starts) as the fish will be more prone to disease like
			Saprolegnia.
	BANGLADESH		It is advisable not to harvest all the fish.
Suggestion: Contact n		or KVK staff for n	ecessary help and suggestion <sub>NGLADESH</sub>
Suggestion. Contact In	curry Suite Agin. Stall	or ix vix starr for h	Coossing help and suggestion all all suggestion and suggestion all suggestion and suggestion all all all suggestion all all all all all all all all all al







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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

## Agro Advisory Bulletin – SOUTH GARO HILLS (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 23-25°C, Minimum Temp: 14°C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 1-3 Okta, Maximum RH: 84-92%, Minimum RH: 43-54%, Wind speed: 3-4 Kmph, Wind direction: Northeast.

#### **General Advisories:**

26°30'0''N-

- > Transplant Rabi crop seedling to main field.
- Apply straw mulch to conserve water. RD BLOCK MAP OF MEGHALAYA
- Protect young seedling from direct exposure to sunshine. 300° E

-26°30'0''N

# Agro meteorological Advisories for coming 5 days

92°0'0"E

Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Ripening/Harvesting		• Field should be drained properly to remove the
(Lowland)	stage	5	excess soil moisture by constructing drainage channel around plots.
× 51	THRUTALA REWRELINGS	7	• Rice crop should be harvested keeping 20 cm
51.	AT THE AST GRAO HILLS	then Kinger	stubbles in field & field may be kept ready for
C SELSELLA S	RONG SENG		next crop.
52		1 1 7 "	Prepare paddy field for rabi crops.
THESE GA	AROHILLS	HONGS TOM	PARLIAL MARCHICKNEHO, IRAGCAMEED
Pea	Sowing yes	T KHASI HILLS	• Prepared the land thoroughly by ploughing with
TINTAK COM	CHOKROT 7	sumerona SEI	desi plough, followed by one or two harrowing to
2 OALI	THINTH GARO HILLS		remove weeds.
	CEBUANDLA		• Sow the improved varieties of garden pea (Arkel,
		h	GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.
510'0''N-	NG_ADESH		Maintain proper soil moisture for better     germination & growth
Coriander	L and Depresention /		germinution & growth.
Corlander	Land Preparation/ Sowing		<ul><li>Use improved cultivar such as Sindhu, Swathi.</li><li>Soak the seed in water over night before sowing.</li></ul>
	Sowing		<ul> <li>Soak the seed in water over high before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to</li> </ul>
		SCALE 1: 1,350,000	· · ·
STATE GIS I ( MEGHALA		30 60	<ul> <li>Maintain proper soil moisture after sowing.</li> </ul>
30'0"N=			<ul> <li>Maintain proper spacing by thinning, 10-15 days</li> </ul>
90°0'0''E	90°30'0''E 91'	0'0''E 91°30'0''E	after emergence.
Palak	Land Preparation/		• Use improved cultivar such as All Green, Pusa
	Sowing		Palak, Pusa Jyoti.
			• Prepare the land by 3-4 times ploughing, weeding
			& levelling of beds should done
			• Soak the seed of over night in water before
			sowing.
			• Sow the seed in line 20 cm apart and 2-3 cm deep.
			• Maintain proper soil moisture after sowing.
			• Maintain proper spacing by thinning, 10-15 days
			after emergence.
Root Crop (Radish,	Sowing		• Use improved cultivar such as Japanese white
carrot)			(Radish) and New Kuroda (Carrot).





Cole crops (Cabbage, Cauliflower, Broccoli)	Transplanting		<ul> <li>Soak the seed of carrot over night in water before sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> <li>The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row</li> </ul>
90°0'0''E		D BLOCK MAP OF ME	and plant to plant, Cauliflower at 60 cm x 45 cm row to row and plant to plant and Broccoli at
Ginger/Turmeric	Maturity		Avoid irrigation.
Pineapple	Growth stage		<ul> <li>Weeding can be done manually or mechanically.</li> <li>Collect and destroy older/wilted and plant parts infested with insect pest and diseases.</li> </ul>
6'0'0"N- Khasi Mandarin RIRLA BADYO	Fruit Maturity/ Harvesting EASTECTION HILS NEEDER HILLS NEEDER WES	Fruit drop/ Fruit fly	<ul> <li>Apply manures.</li> <li>Prevent bird damage.</li> <li>Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.</li> <li>Collect &amp; discard of fallen fruits to avoid attraction of fruit fly.</li> <li>Harvests along with stalk.</li> </ul>
Guava	ADESH	Address	<ul> <li>Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk &amp; leaves.</li> <li>Discarded fallen fruits.</li> </ul>
Animal Sciences			BANGLADESH
	s/Birds from direct expos up of insect nests in anin All stages	mal houses & if require	ed clean the same. • Provide artificial heating to poultry birds (day old
STATE GIS LA (MEGHALAYA	B. 0 15	SCALE 1: 1,350,000 30 60 	to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.
2000 E	90°30'0''E 91'	Coccidiosis (Symptoms:	<ul> <li>Keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the dropings of the poultry birds for any diseases symptom.</li> <li>Provide plenty of fresh and clean drinking water.</li> </ul>





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	1		
		blood/mucus in	• Provide coccidiostatic like Amprolium @ 25-65
		feaces)	mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	• Vaccinate the poultry birds with F1/ Lasota
			vaccine (1 drop) at the age of 4-7 days old and 35
			days old through eye and nostril.
Piggery	All stages		• Vaccinate all newly born piglets against swine
			fever at the age of 3 months followed by annual booster dose.
			<ul> <li>In endemic areas, vaccinate 6 months old pigs with</li> </ul>
			FMD vaccine once in a year.
			• Iron supplementation in piglet to prevent from
		Deworming	piglet anaemia during 1 <sup>st</sup> week of age (0.5-1 ml
	C & R	BLOCK MAP OF ME	
90°0'0''E	90°30'0''E 91		• Deworm your pigs by albendazole @ 5-10 mg/kg
		000	body weight once and repeat after 21 days.
		Skin infection	• Provide Ivermectin (Injection) @ 10mg/33kg body
e.30.0N-		(Scabies)	wt28-300 N
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old Heifer (Female) with
			Brucella abortus cotton strain-19 @ 5ml
		Foot & Mouth	subcutaneous on the neck Undertake regular immunization of cattle &
	ASSAM	Disease,	• Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease,
26'0'0''N-	~	HaemorrhagicSepti	Haemorrhagic septicaemia & Black Quarter. <sup>26'00'N</sup>
28'0'0''N-	- 1 man	caemia, Black	• To prevent FMD spread spray 4% sodium
5	REBURELIARA REBURELIARA READERTA	Quarter	carbonate solution (400 gm Na <sub>2</sub> Co <sub>3</sub> in 10 litres of
DARENG	EAST GARO HILE		water) or lime/ bleaching powder should be spread
23-	SONGSAN 7 RONGENG	7 1.	every day atleast once around the farm premise &
	HILLS	avanut Doursonmin a	at the entry/exit atleast for 10 days.
5°30'0"N-	SAMANGA A WES	Deworming	• Deworm your cattle & buffaloes by albendazole @
DIGAM CAMPES		E	5-10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant & new born animals.
DALH	CHOKED BACHMARA		• Vitamin and mixed supplements.
Fishery	CERTIFICATION	RAINCOR	The second state of the se
	aintain of proper dyke.	and the second	and the second s
Major carps and	All stages but	Saprolegnia	Prophylactic measure:
minor carps (Catle,	fingerlings in	Suproroginu	Maintain the pH above &LADESH
Rohu, Mrigal, Grass	particular		Liming properly till October and not disturbing the
carp, Silver carp,			water till February
Gonius, Pengba, Bata,		SCALE 1: 1,350,000	Treatment:
etc.) STATE GIS LA		30 60	Salt bath for 2 mins @ 2g/Liter water and followed by
4°30'0''N-			5ppm KMnO <sub>4</sub> thrice a week for 6 weeks.
90°0'0''E	90°30'0''E 91°	Epizootic	Prophylactic measure:
		Ulcerative	Maintain the pH above 8.
		Syndrome (EUS)	Liming properly till October and not disturbing the
		• 、 /	water till February
			Treatment:
			Apply CIFAX @ 1 litre/ha water spread area
			FISH-X @ 1 Litre/ha
	Harvest of fish		Harvest the fish in the month of October and
			November (before the winter starts) as the fish will be
			more prone to disease like Saprolegnia.
			It is advisable not to harvest all the fish.
			cessary help and suggestion

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

## <u>Agro Advisory Bulletin – SOUTH WEST GARO HILLS</u> (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 24-25°C, Minimum Temp: 14-15°C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 2-3 Okta, Maximum RH: 81-94%, Minimum RH: 52-58%, Wind speed: 5-6 Kmph, Wind direction: Northeast-East.

#### **General Advisories:**

- > Transplant Rabi crop seedling to main field.
- Apply straw mulch to conserve water. RD BLOCK MAP OF MEGHALAYA
- Protect young seedling from direct exposure to sunshine. 300 E

Agro meteorological Advisories for coming 5 days —

92°0'0"E

92°30'0''E

Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Ripening/Harvestin		• Field should be drained properly to remove the
Sali/Kharif Rice (Lowland)	g stage		excess soil moisture by constructing drainage channel around plots.
* 5%	TRANSLA RESUMELIMEN	and and	• Rice crop should be harvested keeping 20 cm
5	PART HOLEN EAST GRAD HILLS	per Kin	stubbles in field & field may be kept ready for
Zarany S	SONGEAN RONGE	7 7 1	next crop.
2.5	RONGRAM	Summeruna /	<ul> <li>Prepare paddy field for rabi crops.</li> </ul>
OTA-	TARO HILLS	wondstorm	American and American and American and American Americ American American Am
Pea	Sowing	WEST KHASI HILLS	• Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to
2012AR	CHOKROT CHOKRA		remove weeds.
DALH	STONTH GARO HILLS	A RABKOR	<ul> <li>Sow the improved varieties of garden pea (Arkel</li> </ul>
	- Low	-2	GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.
BA	NGLADESH	_	• Maintain proper soil moisture for better
'0''N-			germination & growth.
Coriander	Land Preparation/		• Use improved cultivar such as Sindhu, Swathi.
	Sowing		• Soak the seed in water over night before sowing.
		SCALE 1: 1,350	• Sow the seed 30 cm apart in lines with a plant to
STATE GIS		15 30 60	plant distance of 10 cm.
( MEGHAL	AFA)	10 30 00	• <sup>10</sup> Maintain proper soil moisture after sowing.
90°0'0''E	90°30'0''E	91°0'0''E 91°30'	• Maintain proper spacing by thinning, 10-15 days after emergence.
Palak	Land Preparation/		• Use improved cultivar such as All Green, Pusa
	Sowing		Palak, Pusa Jyoti.
			• Prepare the land by 3-4 times ploughing, weeding
			& levelling of beds should done
			• Soak the seed of over night in water before
			sowing.
			• Sow the seed in line 20 cm apart and 2-3 cm deep
			<ul> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days</li> </ul>
			• Maintain proper spacing by thinning, 10-15 days after emergence.
Root Crop (Radish,	Sowing		<ul> <li>Use improved cultivar such as Japanese white</li> </ul>
carrot)	L C		(Radish) and New Kuroda (Carrot).





				<ul> <li>Soak the seed of carrot over night in water before sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> </ul>
26°30'	Cole crops (Cabbage, Cauliflower, Broccoli)	Transplanting C {	RD BLOCK MAP OF	<ul> <li>The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row and plant to plant, Cauliflower at 60 cm x 45 cm row to row and plant to plant to plant and Broccoli at</li> </ul>
-	Ginger/Turmeric	Maturity		Avoid irrigation.
_	Pineapple	Growth stage		<ul> <li>Weeding can be done manually or mechanically.</li> <li>Collect and destroy older/wilted and plant parts infested with insect pest and diseases.</li> </ul>
26°0' 25°30'i	CITAL CAR	Fruit Maturity/ Harvesting BACTOR FO HILS BACTOR FO	Fruit drop/ Fruit fly Verent even WEST INHASI HILLS	<ul> <li>Apply manures.</li> <li>Prevent bird damage.</li> <li>Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.</li> <li>Collect &amp; discard of fallen fruits to avoid attraction of fruit fly.</li> <li>Harvests along with stalk.</li> </ul>
	Guava	GLADESH	AANSON AND	<ul> <li>Harvest yellow firm fruits for local market. Half yellow for distant market. Harvest along with stalk &amp; leaves.</li> <li>Discarded fallen fruits.</li> </ul>
25°0'	Animal Sciences			BANGLADESH
			xposure to cold weather	
24°30'	Poultry	All stages	animal houses & if re SCALE 1: 1,350 15 30 60 91'0'0''E 91'30'	<ul> <li>Provide artificial heating to poultry birds (day old to 25 days old) through lightning of electric bulb to protect them from low temperature during night time.</li> </ul>
			Coccidiosis (Symptoms:	<ul> <li>removed.</li> <li>Regularly inspect the dropings of the poultry birds for any diseases symptom.</li> <li>Provide plenty of fresh and clean drinking water.</li> </ul>





		blood/mucus in feaces)	• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure
		Ranikhet disease	against coccidiosis.
		Ramknet disease	<ul> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
Piggery	All stages		<ul> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In endemic areas, vaccinate 6 months old pigs with EVD</li> </ul>
	C	Deworming	<ul> <li>FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age (0.5-1 ml MECIM/SC) repeat after 14 days.</li> </ul>
90°0'0''E	90°30'0''E	91°0'0"E 91°30'	• Deworm your pigs by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days.
'0''N-		Skin infection	<ul> <li>Provide Ivermectin (Injection) @ 10mg/33kg body</li> </ul>
Cattle & Buffaloes	6-9 months calves	(Scabies) Brucellosis	<ul> <li>wt.</li> <li>Vaccinate 6-9 months old Heifer (Female) with</li> </ul>
Cattle & Bullaloes	6-9 months carves	Brucenosis	• Vaccinate 6-9 months old Heiter (Female) with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck
	ASSAM	Foot & Mouth Disease,	<ul> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease</li> </ul>
10"N-		HaemorrhagicSepti caemia, Black Quarter	<ul> <li>Haemorrhagic septicaemia &amp; Black Quarter.</li> <li>To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na<sub>2</sub> Co<sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread</li> </ul>
10"N-	ROBERAM ROBILLS	Deworming	<ul> <li>every day atleast once around the farm premise &amp; at the entry/exit atleast for 10 days.</li> <li>Deworm your cattle &amp; buffaloes by albendazole @</li> </ul>
Carry Carry	IN CARE CHOKPOT BACHMARA	WEST PHASI HILLS	5-10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant & new born animals
Fishery	LESURINALA	A HANNER PAR	Vitamin and mixed supplements.
•	Maintain of proper dyk	æ	the part of the second se
Major carps and	All stages but	Saprolegnia	Prophylactic measure: BANGLADESH
<b>minor carps</b> (Catle, Rohu, Mrigal, Grass carp, Silver carp,	fingerlings in particular	SCALE 1: 1,350	Maintain the pH above 8. Liming properly till October and not disturbing the water till February
Gonius, Pengba, EGIS L Bata, etc.)	YA)	15 30 60	<b>Treatment:</b> Salt bath for 2 mins @ 2g/Liter water and followed by
90°0'0''E	90°30'0''E	91°0'0''E 91°30'	5ppm KMnO <sub>4</sub> thrice a week for 6 weeks.
		Epizootic Ulcerative Syndrome (EUS)	<b>Prophylactic measure:</b> Maintain the pH above 8. Liming properly till October and not disturbing the water till February <b>Treatment:</b>
			Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha

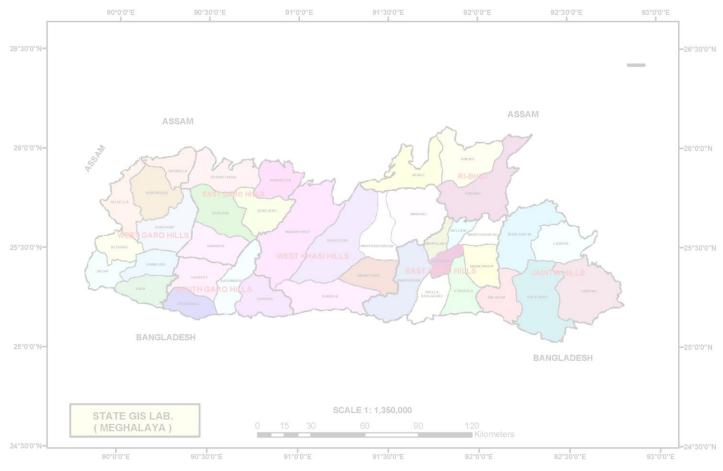




Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

Harvest of fish	Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone to disease like Saprolegnia. It is advisable not to harvest all the fish.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



C & RD BLOCK MAP OF MEGHALAYA



2: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

## <u>Agro Advisory Bulletin – SOUTH WEST KHASI HILLS</u> (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019)

#### Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 23-24°C, Minimum Temp: 12-14°C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 2-3 Okta, Maximum RH: 61-80%, Minimum RH: 30-49%, Wind speed: 5 Kmph, Wind direction: Northeast.

#### **General Advisories:**

- > Transplant Rabi crop seedling to main field.
- Apply straw mulch to conserve water. RD BLOCK MAP OF MEGHALAYA
- Protect young seedling from direct exposure to sunshine.

#### Agro meteorological Advisories for coming 5 days -

92°0'0"E

92°30'0''E

Main Cro	op Stage	Pest/Diseases	Agricultural Advisories
Pea	Sowing		<ul> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden pea (Arkel, GS-10, SN-10, Azad pea) at 30 x 10 cm spacing.</li> <li>Maintain proper soil moisture for better germination &amp; growth.</li> <li>Use improved cultivar such as Sindhu, Swathi.</li> </ul>
50'0''N-	Sowing Course And Cour	WEST HIHASI HILLS	<ul> <li>Soak the seed in water over night before sowing.</li> <li>Sow the seed 30 cm apart in lines with a plant to plant distance of 10 cm.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
	Land Preparation/ Sowing	SCALE 1: 1,35	<ul> <li>Use improved cultivar such as All Green, Pusa Palak, Pusa Jyoti.</li> <li>Prepare the land by 3-4 times ploughing, weeding &amp; levelling of beds should done</li> <li>Soak the seed of over night in water before sowing.</li> <li>Sow the seed in line 20 cm apart and 2-3 cm deep.</li> </ul>
30'0''N-	90°30'0''E 90°30'0''E	91°0'0''E 91°30	<ul> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 days after emergence.</li> </ul>
Root Crop (Ra carrot)	adish, Sowing		<ul> <li>Use improved cultivar such as Japanese white (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in water before sowing.</li> <li>Sow the seed on raised bed of 30-45 cm width.</li> <li>Sow the seed of carrot at 15-20 cm x 5-7 cm and radish at 25x15 cm spacing.</li> <li>To maintain proper spacing thining should be done 15-20 days after sowing.</li> </ul>
Cole crops (Cabbage,	Transplanting		<ul> <li>The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> </ul>





		Г	·
Cauliflower,			• Cabbage spacing at 60 cm x 45 cm row to row and
Broccoli)			plant to plant, Cauliflower at 60 cm x 45 cm row
			to row and plant to plant and Broccoli at 45x30 cm
			• Transplant the seedling in evening and irrigate
			immediately if there is no rain.
			• Collection & destruction of cutworm.
Ginger/Turmeric	Maturity		Avoid irrigation.
Pineapple	Growth stage		• Weeding can be done manually or mechanically.
			• Collect and destroy older/wilted and plant parts
			infested with insect pest and diseases.
			• Apply manures.
Khasi Mandarin	Fruit Maturity/ C	& RD BLOCK MAP OF	
90°0'0''E	Harvesting	91°0'0"E 91°30'	Management of fruit drop: Spraying with 2,4-D or
		Fruit drop/	GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or
26°30'0''N		Fruit fly	spraying of Planofix @ 1ml/5 litres of water
and and application			minimise the fruit drop.
			• Collect & discard of fallen fruits to avoid attraction
			of fruit fly.
			Harvests along with stalk.
Guava	Harvesting		• Harvest yellow firm fruits for local market. Half
000000000			yellow for distant market. Harvest along with stalk &
26°0'0''N-	man		/ leaves26°0''
R Sand	THURRALA US &	NL S	Discarded fallen fruits.
Animal Sciences	1FD-J	the familie for the familie of the f	
		xposure to cold weather	
		animal houses & if req	
Poultry	ARO HILL All stages	Monoston	• Provide artificial heating to poultry birds (day old
25°30'0''N-	- AMANGA 3	WEST KHASI HILLS	to 25 days old) through lightning of electric bulb to
ZHEZAN Z	AMMEGNE A L		protect them from low temperature during night
2 ONLO	CHORPOT BACHMARA	5	time.
	CARDINARY ROAC	AA HAMRON	• Keep the poultry house well ventilated during day
		- the state	time. Provide vitemin P. complete @ 7m1/litro in dripling
BA	NGLADESH		<ul> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> </ul>
25°0'0''N-			F25 00 N
			<ul> <li>Litter should be change periodically and provide clean drinking water and changed the water every</li> </ul>
			day.
			• Diseased and dead birds should be immediately
STATE GIS		SCALE 1: 1,350	removed,
( MEGHAL/		15 30 60	<ul> <li>Regularly inspect the dropings of the poultry birds</li> </ul>
24°30'0''N-			• Regularly inspect the dropings of the poultry birds for any diseases symptom
90°0'0''E	90°30'0''E	Coccidiosis	<ul> <li>Provide plenty of fresh and clean drinking water.</li> </ul>
		(Symptoms:	<ul> <li>Provide pienty of nesh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65</li> </ul>
		blood/mucus in	mg/kg feed once a day as a preventive measure
			against coccidiosis.
		feaces)	against coccidiosis.
		,	
		feaces) Ranikhet disease	• Vaccinate the poultry birds with F1/ Lasota
		,	• Vaccinate the poultry birds with <b>F1/ Lasota</b> <b>vaccine</b> (1 drop) at the age of 4-7 days old and 35
Piggerv	All stages	,	• Vaccinate the poultry birds with <b>F1/ Lasota</b> <b>vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages	,	<ul> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> <li>Vaccinate all newly born piglets against swine fever</li> </ul>
Piggery	All stages	,	<ul> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster</li> </ul>
Piggery	All stages	,	<ul> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> </ul>
Piggery	All stages	,	<ul> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In endemic areas, vaccinate 6 months old pigs with</li> </ul>
Piggery	All stages	,	<ul> <li>Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> </ul>





2: Telephone No.: 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

	1	<b>D</b> :	
		Deworming	piglet anaemia during $1^{st}$ week of age (0.5-1 m $DM(SC)$ represent after 14 days
			IM/SC) repeat after 14 days.
			• Deworm your pigs by albendazole @ 5-10 mg/k
			body weight once and repeat after 21 days.
		Skin infection	• Provide Ivermectin (Injection) @ 10mg/33kg bod
		(Scabies)	wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul> <li>Vaccinate 6-9 months old Heifer (Female) with Brucella abortus cotton strain-19 @ 5m subcutaneous on the neck</li> </ul>
		Foot & Mouth	• Undertake regular immunization of cattle &
		Disease,	buffaloes against Foot & Mouth disease
		HaemorrhagicSeptic	Haemorrhagic septicaemia & Black Quarter.
		aemia, Black	• To prevent FMD spread spray 4% sodium carbonat
	C	& RD BQuarter AP OF	MECsolution (400 gm Na <sub>2</sub> Co <sub>3</sub> in 10 litres of water) of
			lime/ bleaching powder should be spread every da
90°0'0''E	90°30'0''E	91°0'0''E 91°30'	atleast once around the farm premise & at th
			entry/exit atleast for 10 days.
6°30'0''N-		Deworming	• Deworm your cattle & buffaloes by albendazole
			5-10 mg/kg body weight once and repeat after 2
			days. Do not give to pregnant & new born animals.
			<ul> <li>Vitamin and mixed supplements.</li> </ul>
	<u> </u>		• Vitanini and mixed supplements.
Fishery	ASSAM Maintain of proper dyk		
<sup>24</sup> Major carps and	All stages but	Saprolegnia	Prophylactic measure: -28*0
	fingerlings in	Saprolegina	
minor carps (Catle,		ALARMANTIA TO THE OWNER	Maintain the pH above 8.
Rohu, Mrigal, Grass	particular	far King	Liming properly till October and not disturbing the
carp, Silver carp,		~ ~ ~ ~	water till February
Gonius, Pengba,	SONGEAN C		Treatment:
Bata, etc.)	BARO HILLS	Management Management	Salt bath for 2 mins @ 2g/Liter water and followed by
25°30'0''N-	SAMAKUA	WEST KHASI HILLS	5ppm KMnO₄ thrice a week for 6 weeks.
( many			
1	CHOKPOT	Epizootic Ulcerative	Prophylactic measure:
- Contemport	CHOKPOT BAGIMMARA	Syndrome (EUS)	Maintain the pH above 8.
	CHORDOT THE GARO HILLS COUNTRY COUNT		Maintain the pH above 8. Liming properly till October and not disturbing the
	CONTON TH GARO HILLS CONTRACT		Maintain the pH above 8. Liming properly till October and not disturbing the water till February
	INGLADESH		Maintain the pH above 8. Liming properly till October and not disturbing the water till February <b>Treatment:</b>
24"0'0"N-	INGLADESH		Maintain the pH above 8. Liming properly till October and not disturbing the water till February <b>Treatment:</b> Apply CIFAX @ 1 litre/ha water spread area
			Maintain the pH above 8. Liming properly till October and not disturbing the water till February <b>Treatment:</b> Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha
	Harvest of fish		Maintain the pH above 8. Liming properly till October and not disturbing the water till February <b>Treatment:</b> Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha Harvest the fish in the month of October and November
		Syndrome (EUS)	Maintain the pH above 8. Liming properly till October and not disturbing the water till February <b>Treatment:</b> Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone
	Harvest of fish		Maintain the pH above 8. Liming properly till October and not disturbing the water till February <b>Treatment:</b> Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha Harvest the fish in the month of October and November

<sup>24 30</sup> Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



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RC (AE)/30/2011/ Bulletin/November'2019/69

Dated: 26/11/2019

## Agro Advisory Bulletin – WEST GARO HILLS (Period 27<sup>th</sup> November – 1<sup>st</sup> December, 2019) Weather forecast valid up to 1<sup>st</sup> December, 2019

The possibility of Rainfall is 0.0 mm for the next five days. Maximum Temp: 24-25° C, Minimum Temp: 14-15° C, Cloud cover: sky will be mainly clear to partly cloudy i.e. 1-3 Okta, Maximum RH: 89-98%, Minimum RH: 56-65%, Wind speed: 4 Kmph, Wind direction: Northeast-East.

#### **General Advisories:**

- > Transplant Rabi crop seedling to main field.
- > Apply straw mulch to conserve water.
- Protect young seedling from direct exposure to sunshine.

90°0'0' <b>''Agr</b>	o meteorologio	al Advisorie	es for coming 5 days
Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Main Crop       Sali/Kharif Rice       (Lowland)       Pea       Pea       West GAR	Ripening/Harvesting stage ASSAM BELLER BELLERA Sowing BELLERA	DENICITINA DESILIAR	<ul> <li>Agricultural Advisories</li> <li>Field should be drained properly to remove the excess soil moisture by constructing drainag channel around plots.</li> <li>Rice crop should be harvested keeping 20 cm stubbles in field &amp; field may be kept ready for next crop.</li> <li>Prepare paddy field for rabi crops.</li> <li>Prepared the land thoroughly by ploughing with desi plough, followed by one or two harrowing to remove weeds.</li> <li>Sow the improved varieties of garden period.</li> </ul>
Coriander BANG	Land Preparation/ Sowing	ASI HILLS EAST RANKING SCALE 1: 1.350,000	<ul> <li>(Arkel, GS-10, SN-10, Azad pea) at 30 x 10 cr spacing.</li> <li>Maintain proper soil moisture for bette germination &amp; growth.</li> <li>Use improved cultivar such as Sindhu, Swathi.</li> <li>Soak the seed in water over night before sowing</li> <li>Sow the seed 30 cm apart in lines with a plant t plant distance of 10 cm.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 day</li> </ul>
Palak	Land Preparation/ Sowing 9100	60 90 91°30'0''E	<ul> <li>after emergence.</li> <li>Use improved cultivar such as All Green, Pus Palak, Pusa Jyoti.</li> <li>Prepare the land by 3-4 times ploughing weeding &amp; levelling of beds should done</li> <li>Soak the seed of over night in water befor sowing.</li> <li>Sow the seed in line 20 cm apart and 2-3 cm deep.</li> <li>Maintain proper soil moisture after sowing.</li> <li>Maintain proper spacing by thinning, 10-15 day after emergence.</li> </ul>
Root Crop (Radish, carrot)	Sowing		<ul> <li>Use improved cultivar such as Japanese whit (Radish) and New Kuroda (Carrot).</li> <li>Soak the seed of carrot over night in wate</li> </ul>





_				
				before sowing.
				• Sow the seed on raised bed of 30-45 cm width.
				• Sow the seed of carrot at 15-20 cm x 5-7 cm and
				radish at 25x15 cm spacing.
				• To maintain proper spacing thining should be done 15-20 days after sowing.
	Cole crops (Cabbage, Cauliflower, Broccoli)	Transplanting		<ul> <li>The nursery bed should be prepared by mixing well rotten FYM or compost @ 4 kg/m<sup>2</sup> with the soil.</li> <li>Cabbage spacing at 60 cm x 45 cm row to row and plant to plant, Cauliflower at 60 cm x 45 cm row to row and plant to plant and Broccoli at 45x30 cm</li> </ul>
		C & RD B	LOCK MAP OF MEGH	Transplant the seedling in evening and irrigate immediately if there is no rain.
	90°0'0''E	90°30'0''E 91°0'0''	91°30'0''E	<ul> <li>Collection &amp; destruction of cutworm.</li> </ul>
				• Concetion & desiraction of eutworm.
26°3	Ginger/Turmeric	Maturity		Avoid irrigation.
	Pineapple	Growth stage		• Weeding can be done manually or mechanically.
				• Collect and destroy older/wilted and plant parts
	As	SAM		infested with insect pest and diseases.
0.00			000	Apply manures.
26	Khasi Mandarin	Fruit Maturity/	5/5)	Prevent bird damage. <sup>-26*0'0''N</sup>
	8 500	Harvesting	Fruit drop	• Management of fruit drop: Spraying with 2,4-D or $C_{A,2} = 15$ (math) three (10 mil) to $D_{A,2} = 1.5$ (math)
	DADE NOGRU	EAST GRO HILLS	Fruit fly	GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water
	Saran 2	SONGAN RONGENG	I full fly	minimise the fruit drop.
	> Provena			Collect & discard of fallen fruits to avoid attraction
25°3	0'0"N-	ILLS SAMAREA	NOW OF TOWN	of fruit fly.
23 0	And and	WEST K	ASIHILLS	Harvests along with stalk.
ŀ	Guava	Harvesting	innerrona BASI	• Harvest yellow firm fruits for local market. Half
	2 OALU	TONTH GARO HILLS	RAINKOR 200 (BROK	yellow for distant market. Harvest along with stalk
		COMMINEN	- In	& leaves.
			- har	Discarded fallen fruits.
25	Animal Sciences BANGLA	DESH		-25°0'0''N
		Birds from direct exposure		BANGLADESH
		p of insect nests in animal	houses & if required c	
	Poultry	All stages		• Provide artificial heating to poultry birds (day
	STATE GIS LAB		SCALE 1: 1,350,000	old to 25 days old) through lightning of electric
	( MEGHALAYA )	0 15 3	0 60 90	bulb to protect them from low temperature during night time.
24°3	0'0''N-	1		<ul> <li>Keep the poultry house well ventilated during</li> </ul>
	90°0'0''E	90°30'0''E 91°0'0''E	91°30'0''E	day time.
				• Provide vitamin B complex @ 7ml/litre in
				drinking water daily in broiler for healthy
				growth.
				• Litter should be change periodically and provide
				clean drinking water and changed the water
				every day.
				• Diseased and dead birds should be immediately
				removed.
				Regularly inspect the dropings of the poultry     hirds for any diseases symptom
			Coccidiosis	<ul><li>birds for any diseases symptom.</li><li>Provide plenty of fresh and clean drinking water.</li></ul>
			(Symptoms:	<ul> <li>Provide piency of fresh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65</li> </ul>
L			(~) inpromis.	- i tovide coccidiostalle like Ampionum @ 23-03

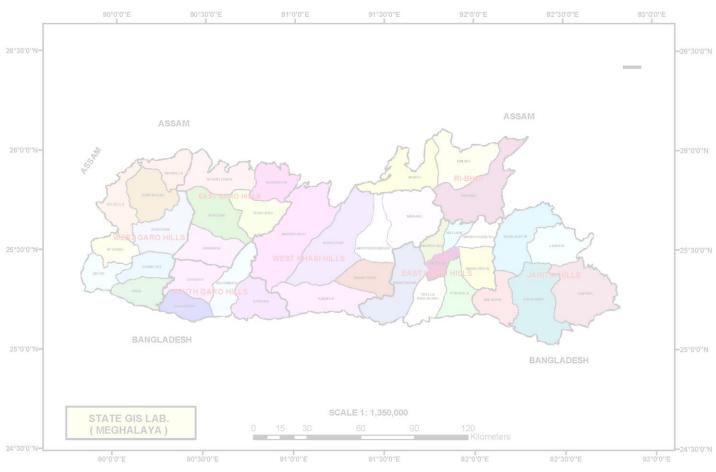




		blood/mucus in feaces)	mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	• Vaccinate the poultry birds with <b>F1/ Lasota</b> <b>vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages	Deworming	<ul> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In endemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age (0.5-1 ml IM/SC) repeat after 14 days.</li> </ul>
90°0'0''E	90°30'0''E 91°0'0''	E 91°30'0''E	mg/kg body weight once and repeat after 21 days.
"B0'0''N-		Skin infection (Scabies)	<ul> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old Heifer (Female) with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
TO'O'N-	fingerlings in particular	Foot & Mouth Disease, HaemorrhagicSepti caemia, Black Quarter Deworming Status Saprolegnia	<ul> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> <li>To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na<sub>2</sub> Co<sub>3</sub> in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise &amp; at the entry/exit atleast for 10 days.</li> <li>Deworm your cattle &amp; buffaloes by albendazole @ 5-10 mg/kg body weight once and repeat after 21 days. Do not give to pregnant &amp; new born animals.</li> <li>Vitamin and mixed supplements.</li> </ul>
90°0''N-L90°0''0''E	90°30'0''E 91°0'0''E	Epizootic Ulcerative Syndrome (EUS)	5ppm KMnO <sub>4</sub> thrice a week for 6 weeks. 92:00°E Prophylactic measure: Maintain the pH above 8. Liming properly till October and not disturbing the water till February Treatment: Apply CIFAX @ 1 litre/ha water spread area FISH-X @ 1 Litre/ha
	Harvest of fish		Harvest the fish in the month of October and November (before the winter starts) as the fish will be more prone to disease like Saprolegnia. It is advisable not to harvest all the fish.



Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



C & RD BLOCK MAP OF MEGHALAYA